

ABSTRACT

DEVICE FOR MEASURING CHARACTERISTICS OF AN
ELECTROMAGNETIC FIELD, PARTICULARLY FOR THE
RADIATION DIAGRAM OF AN ANTENNA

5 The present invention relates to a device, for
measuring characteristics of an electromagnetic field
emitted by a source being tested, comprising a
radiating element (8), a support (6) for said radiating
element and a mount (5) on which said support is
10 fastened. It is characterized in that it comprises a
screen (7) carried by said support (6) and interposed
between said radiating element (8) and said mount (5),
and in that said screen (7) is adapted to reflect the
beams (R_1 , R_2) impinging upon it so as to re-emit and
15 scatter them into space, along determined directions
(R'_1 , R'_2). In the measuring device wherein said
radiating element (8) is associated with the sighting
axis (Δ), so as to point the measuring device (4) along
determined measuring directions, said screen (7) can be
20 shaped such that said determined directions (R'_1 , R'_2)
include large amplitude angles with said sighting axis
(Δ). The measurement site can comprise an anechoic
chamber (9) enclosing said source and having walls
(90).

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Fig. 4